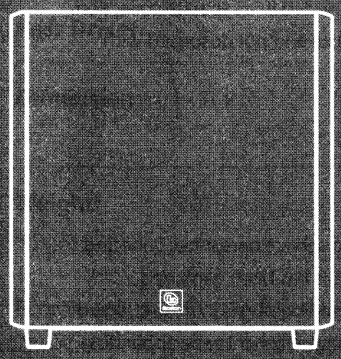
OWNER'S MANUAL / SAFETY INSTRUCTIONS / COMPLIANCE INFORMATION



Boston Acoustics

CS Sub10

Powered Subwoofer

Español
Subwoofer Boston
Manual del Propietario /
Instrucciones de Seguridad /
Información de Cumplimiento

Français
Caisson de graves Boston
Guide de l'utilisateur /
Instructions de sécurité /
Informations relatives à la
conformité

Boston™

IMPORTANT SAFETY INSTRUCTIONS

This symbol found on the apparatus indicates hazards arising from dangerous voltages.

This symbol found on the apparatus indicates the user should read all safety statements found in the user manual.

This symbol found on the apparatus indicates double insulation.

Warning! To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

This symbol found on the apparatus indicates that the apparatus must be placed in a separate collection facility for electronic waste and not dosposed with household waste.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Maintain a minimum distance of 2" (50mm) around the front, rear, and sides of the apparatus for sufficient ventilation. The ventilation should not be impeded by covering the ventilation openings or placing on or around the apparatus items such as newspapers, table-cloths, curtains, etc.
15. No open flame sources, such as lighted candles, should be placed on the apparatus.
16. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.
17. Either the power inlet connector on the rear of the apparatus or the power plug at the wall must remain accessible, to be able to disconnect power from the apparatus.
18. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
19. The mains plug of the power supply cord shall remain readily operable.

Specifications — CS Sub10

Frequency Range:	32 Hz – 150 Hz
Amplifier Power:	100 watts RMS
Bass Driver:	10" (254mm) DCD
Dimensions: (H x W x D)	15 x 15 x 15" (381 x 381 x 381mm)
Weight:	32 lbs (14.5kg)

Boston Acoustics continually strives to update and improve its products.
The specifications and construction details are subject to change without notice.

Introduction

Boston Acoustics CS Sub10 Powered Subwoofer

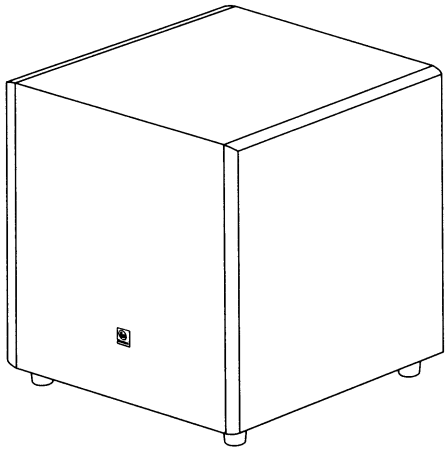
Thank you for choosing Boston Acoustics. The CS Sub10 subwoofer incorporates high-quality components that produce the famous Boston Sound. The subwoofer is ideally suited for use in a high-quality 5.1 channel home theater or stereo music system. It is capable of impressive deep bass and high output from a remarkably compact enclosures. In addition, it features BassTrac®, a proprietary Boston-designed circuit that tracks the input signal to the subwoofer and prevents its amplifier from being driven into audible distortion. The benefit: the bass stays clean and strong at any listening level.

Features

- 10" woofer
- 100 watts RMS
- High-output, down firing and ported design
- Deep Channel® Design (DCD) woofers for more bass from less amplifier power
- BassTrac® circuitry for tight, distortion-free bass at all output levels
- Adjustable polarity, crossover and gain control
- Ultra-rigid reinforced cabinetry

Unpacking the System

Carefully unpack the subwoofer. If there is any sign of damage from transit, report it immediately to your dealer and/or delivery service. Keep the shipping carton and packing materials for future use. Be sure to keep your purchase receipt in a safe place, as it may be required for warranty purposes.

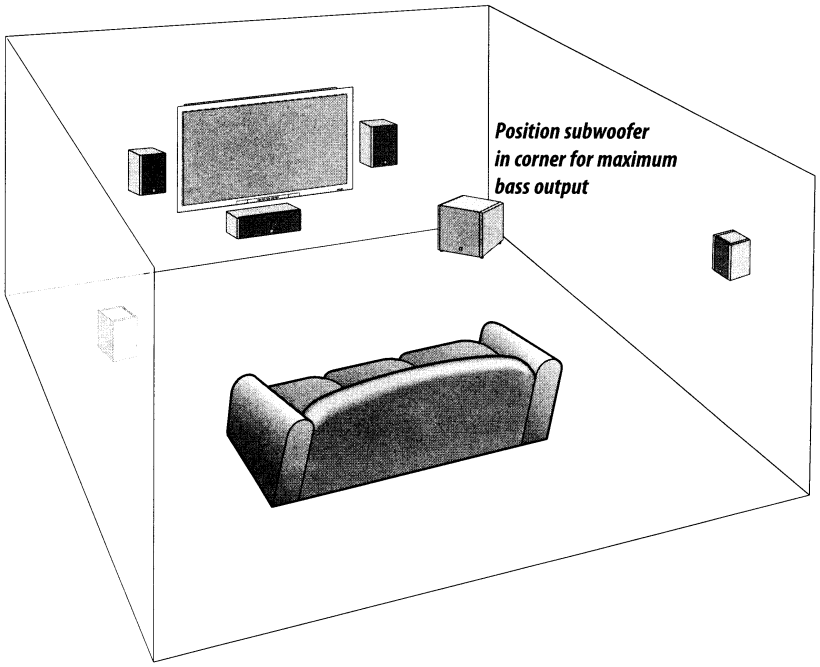


Placement Options

Place the subwoofer next to a wall or in a corner near your main speakers. The sound is typically best when the subwoofer is within 15 feet (4.5m) of the main speakers. The sharp 24dB/octave crossover roll-off permits placement farther from the main speakers if necessary. Since the ear is unable to localize the low frequencies of the subwoofer, the bass still appears to come from the main speakers. Experimentation is key, however most positions in the room will work well.

The level of bass output from the subwoofer will vary at different positions in a room. When placed near walls, its loudness is emphasized. Corner placement provides the most bass output. Placement completely away from walls may produce too little bass. Regardless of the natural bass level within the room you will always have the ability to adjust the level of the subwoofer from the built in volume control. If at any time you move the subwoofer be sure to check all of your settings.

IMPORTANT: Do not place the subwoofer where there is a chance of contact between the rear panel and drapes or furniture.



Connections

After your speakers are properly placed, you are ready to wire your system.

NOTE: Power is always supplied to the subwoofer electronics unless it is unplugged or switched to the ***off*** position using the power switch located on the rear panel. The auto-on circuitry only activates or deactivates the power amplifier. Make sure your subwoofer and receiver are unplugged when making the connection.

Power: When plugging your subwoofer in be sure to use a wall outlet, or dedicated electrical outlet. Some receivers will provide a switched outlet. Do not use this. These on board electrical outlets do not offer the amount of current or proper isolation required by a power amplifier, such as the one in your amplifier.

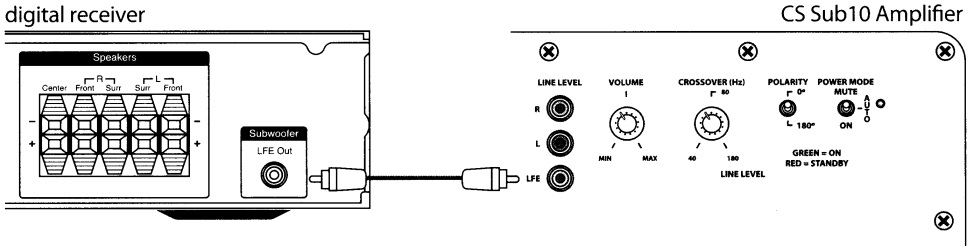
Line level or LFE: On most systems use the ***line level in or the LFE*** input. These inputs accept the line-level signal from your receiver's subwoofer output. Your receiver's manual should indicate which input is most appropriate.

Connecting the Subwoofer to Digital Home Theater Systems Using LFE

Digital 5.1, 6.1 and 7.1 home theater electronics dedicate one channel (the ".1") to reproduce the special low-frequency (LFE) information (such as explosions and thunder) contained in digitally-encoded soundtracks.

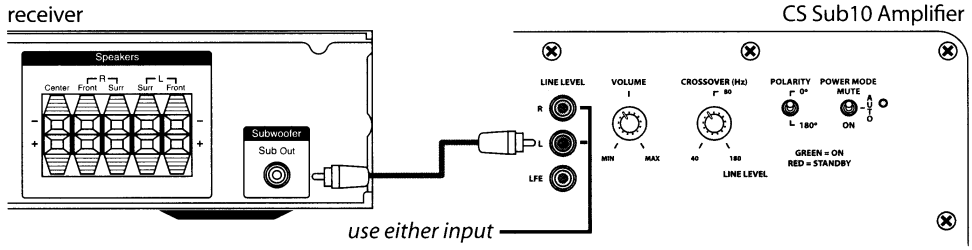
Select "subwoofer-yes" from your receiver's set-up menu. Hooked up this way, the receiver's amplifier is relieved of having to reproduce the difficult low bass signals that can drive the receiver into audible distortion. In some cases it can also depend on several other settings within a receiver. We recommend consulting your receiver manual for further assistance in this area.

Use an RCA cable (not included), as shown, to connect your digital receiver's LFE subwoofer output to the subwoofer. Connect the other end to the LFE input.



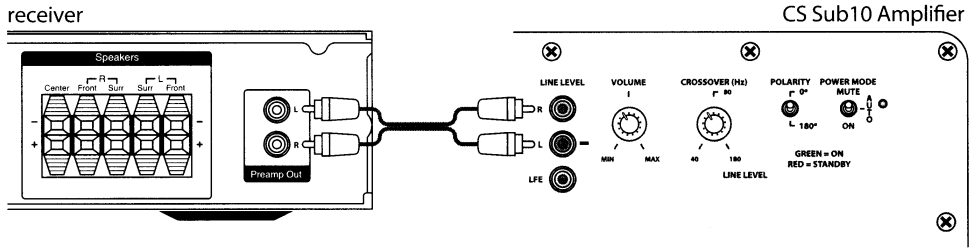
Connecting the Subwoofer to Stereo or Dolby® Pro Logic®

For stereo or Dolby Pro Logic systems use the "sub out" connection from your receiver to the input on the subwoofer marked *"Left"* and *"Right"*.



Connecting to Electronics Without a Subwoofer Output

If the electronic in your system does not have a subwoofer of LFE output you can connect the CS Sub 10 to a preamp output. Use a stereo RCA cable (not included) to connect the preamp outputs to the ***Left*** and ***Right Line Level*** inputs.



Adjusting the Crossover Control

When using the ***Line Level*** inputs (not the ***LFE*** input) the subwoofer's built-in crossover is engaged. As a starting point, set the crossover control on the subwoofer about 10Hz higher than the lower limit of your main speakers' bass response. Fine -tune the crossover setting by ear for the smoothest blend with your main speakers. The best setting of the crossover control will depend on speaker placement and personal preference.

Operation

Power On/Auto/Standby

Plug the subwoofer's AC cord into a wall outlet. Do not use the outlets on the back of the receiver. Set the power switch to the desired setting.

OFF – The subwoofer is off and will not produce any sound. You may want to turn your subwoofer off if you will not be using it for some time or wish to conserve electricity.
AUTO – The subwoofer will power on whenever a signal is detected. If no signal is detected after several minutes, it will automatically enter the Standby mode.
ON – The subwoofer is always on.

An LED indicator between the ***Power*** switch and the ***Polarity*** switch indicates what mode the subwoofer is in.

OFF – The subwoofer is off
RED – STANDBY (No signal detected, Amp Off)
GREEN – ON (Signal detected, Amp On)

The subwoofer will automatically enter the Standby mode after several minutes when no signal is detected from your system. The subwoofer will then power ON instantly when a signal is detected.

Crossover Control

Adjusts the frequency of the low pass filter for the subwoofer. **Note:** This control is not active when using the LFE input jack.

Volume Control

Turn the subwoofer ***Volume*** control to the 11 o'clock position. If no sound emanates from the subwoofer, check the AC-line cord, ***Power*** switch, and input cables. (Are the connectors on the cables making proper contact? Is the AC-line cord connected to a "live" receptacle, is the subwoofer in either the Auto or On position?)

Adjust the subwoofer ***Volume*** control until you hear a match between the main speaker and subwoofer. Bass response should not overpower the room but rather be adjusted so there is a natural blend across the entire musical range.

Polarity Control

(0° or 180°): Selects regular (0°) or inverted (180°) phase for the subwoofer. Set this switch to provide the fullest, most dynamic bass. The effect of phase will be most audible on low-frequency percussion instruments or music with a continuously repeating bass line.

Maintenance and Service

The speaker enclosures may be cleaned using a soft cloth to remove fingerprints or to wipe off dust. All wiring connections should be inspected and cleaned or remade at least once a year.

If a problem does occur, make sure that all connections are properly made, secure and clean. If a problem occurs in one loudspeaker, rewire that speaker in a different location within the system. Should the problem persist then the problem is within the speaker. If the speaker sounds fine in the new position it is a strong indication of a more in depth issue with the electronics in the system. In the event that your speakers ever need service, contact your local Boston Acoustics dealer or visit www.bostonacoustics.com/dealers for a list of dealers in your area.

Limited Warranty

Boston Acoustics warrants to the original purchaser of a CS Sub10 subwoofer that it will be free of defects in materials and workmanship in its mechanical parts for a period of 5 years from the date of purchase. The warranty period for the electrical components is 1 year.

Your responsibilities are to install and use them according to the instructions supplied, to provide safe and secure transportation to an authorized Boston Acoustics service representative, and to present proof of purchase in the form of your sales slip when requesting service.

Excluded from this warranty is damage that results from abuse, misuse, improper installation, accidents, shipping, or repairs/modifications by anyone other than an authorized Boston Acoustics service representative.

This warranty is limited to the Boston Acoustics product and does not cover damage to any associated equipment. This warranty does not cover the cost of removal or reinstallation. This warranty is void if the serial number has been removed or defaced. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If Service Seems Necessary

First, contact the dealer from whom you purchased the product. If that is not possible, write to:

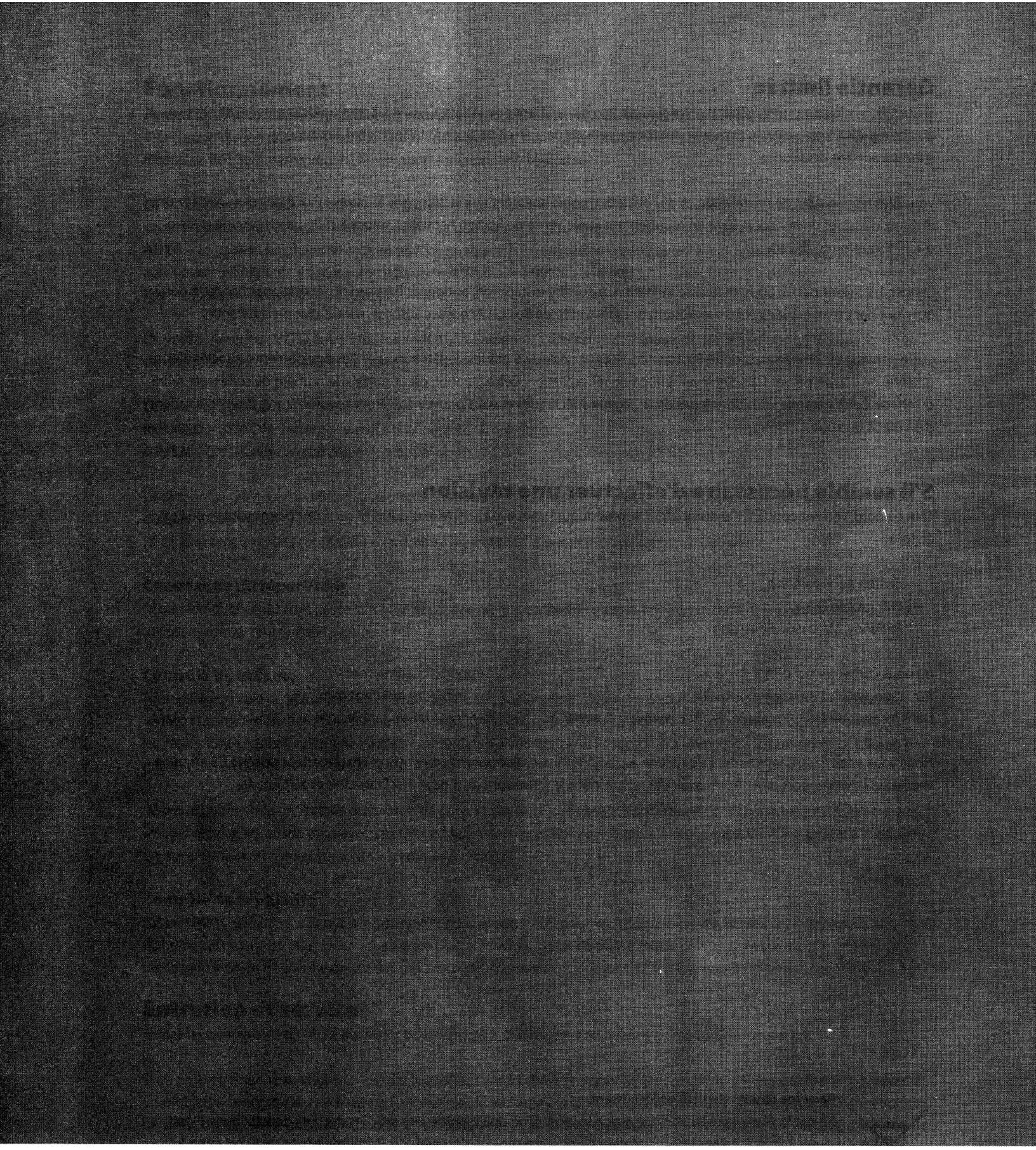
Boston Acoustics, Inc.
300 Jubilee Drive
Peabody, MA 01960 USA

Or contact us via e-mail at:	support@bostona.com
In Japan send e-mails to:	ba_info@dm-holdings.com.
In Asia/Pacifi c countries send e-mails to:	service@dm-singapore.com

We will promptly advise you of what action to take. If it is necessary to return your Boston subwoofer to the factory, please ship it prepaid. After it has been repaired, we will return it freight prepaid in the United States and Canada.

For EU Customers Only

This symbol found on the product indicates that the product must not be disposed of with household waste. Instead, it may be placed in a separate collection facility for electronic waste or returned to a retailer when purchasing similar product. The producer paid to recycle this product. Doing this contributes to reuse and recycling, minimizes adverse effects on the environment and human health and avoids any fines for incorrect disposal.



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